



Missouri Department of Natural Resources

WATER QUALITY COORDINATING COMMITTEE

USGS
Columbia Environmental Research Center
Conference Building
4200 New Haven Road
Columbia, Missouri

April 16, 2002
10:00 a.m.

MEETING AGENDA

Water Quality Standards/UAA for Whole Body Contact
Chris Zell, DNR Water Pollution Control Program

CPP Revision Update
Carol Garey, DNR Water Pollution Control Program

Categorizing Missouri's Classified Waters/Status of the 303(d) List
Becky Shannon, DNR Water Pollution Control Program

Chip Mills
Becky Shannon, DNR Water Pollution Control Program

Other

Agency Activities

Meetings & Conferences

NOTE: The TMDL Policy Advisory Committee meeting will follow this meeting starting around 1:00 p.m.

MISSOURI WATER QUALITY COORDINATING COMMITTEE
MEETING MINUTES

April 16, 2002

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Attendees:

Ken Midkiff	Sierra Club	Jack Dutra	Syngenta
Bob Steiert	US EPA Region 7	John Lodderhose	St. Louis MSD
Robert Brundage	MO-Ag/PSF	Jim Gray	Avenits Crop Science
Michael Bollinger	Ameren	Ted Heisel	MO Coalition for the Environment
John Pozzo	Ameren	Carol Garey	DNR/WPSC/WPCP
Richard Gaffney	DNR/GSRAD/WRP	Trent Stober	Midwest Env. consultants
Terry Timmons	DNR/WPSC/PDWP	Emitt Witt	USGS
Sharon Clifford	DNR/WPSC/WPCP	Angel Kruzen	Sierra Club/Water Sentinel
Steve Johnson	MO River Communities Network	Gail Wilson	DNR/WPSC/WPCP
John Hoke	DNR/WPSC/WPCP	Anne Peery	DNR/WPSC/WPCP
Chris Zell	DNR/WPSC/WPCP	Priscilla Stotts	DNR/WPSC/WPCP
Dan Downing	UOE Water Quality Program	Patrick Costello	US EPA Region 7
Mary West	City of Moberly	Jeannette Schafer	US EPA Region 7
Gayle Unruh	MoDOT	Miya Barr	USGS
Dorris Bender	City of Independence/WPC	Gust Annis	MoRAP
Cindy DiStefano	MDC	Steve Taylor	Environmental Resources Coalition
Paul Andre	MO Dept. of Agriculture	Jeanne Heuser	USGS
Becky Shannon	DNR/WPSC/WPCP	Darlene Schaben	DNR/WPSC/WPCP

Introductions were made. Becky Shannon chaired the meeting. Becky announced that effective April 22, Jim Hull would be joining the Water Pollution Control Program as the Director of the program. He was previously Director of the Solid Waste Management Program of DNR.

Ken Midkiff informed the group that he is now Director of the National Sierra Club's Clean Water Campaign and is still based in Columbia. Karla Klein is now the Chapter Director.

Water Quality Standards/UAA for Whole Body Contact, Chris Zell, WPCP

PowerPoint presentation

Chris informed the group that there is a draft protocol written of the Use Attainability Analysis (UAA). EPA comments need to be added yet. Phase I of the triennial review of the Water Quality Standards is going to put into rule that whole body contact recreation (WBCR) shall be designated for all classified waters in the state. A UAA is a structured scientific assessment of the factors affecting the attainment of a use. The UAA is a way to remove the whole body contact use designation. If the UAA is approved, it would be a permanent exemption. Existing or attainable uses cannot be removed (*40 CFR 131.3 & 131.10*).

There are six major factors that are used to justify removal – 1) naturally occurring criteria excursions; 2) natural occurring flow conditions prevent attainment; 3) attainment would cause more damage than status quo;

4) Hydrologic modifications preclude attainment; 5) physical attributes of waterbody prevent attainment; and 6) substantial and widespread impacts.

Chris showed a flowchart of Missouri's WBCR UAA Protocol. The step process for the Draft UAA Protocols include: defining the waterbody boundaries; understanding the system; existing uses; existing use documentation; existing use default criteria; potential uses; potential use description; attainability assessment; and submittal of UAA.

Information needed to define the waterbody boundaries would include, but not be limited to, location, size, name of waterbody, upstream and downstream coordinates, county, and USGS map with the waterbody marked. Bacteria and flow samples are needed to understand the system. UAAs can be addressed by season. Five samples per season would be needed at random locations along the waterbody.

EPA defines existing uses as uses attained on or after November 28, 1975, whether or not specifics are outlined in the standards. Whole body contact recreation activities include swimming, water skiing or skin diving. Frequency and history of use will also be considered. Documentation needed includes a visual survey and a resident survey. Whole body contact will be assumed as an existing use if the waterbody is near a campground, swimming beach, park, playground, boat ramp, picnic area, etc. Existing use will also be assumed for any season or flow condition where estimated contacts exceed the number that results in one gastrointestinal illness.

There were discussions held on existing uses, designated use, who would do a UAA, risk assessment, definition of whole body contact, potential use.

Some areas may have limited potential for whole body contact use. An application would need to include an access summary; channel/bank variability and composition; outline wadeable depth (greater than six inches) and frequency of that depth; changes of infrastructure; population growth; and how the hydrology may change.

If the applicant has shown that whole body contact is a potential use, but yet may or may not be attainable, then following the flow chart, the six major factors can be addressed to claim that a use is not attainable. If existing or potential uses are negligible and if these uses are unattainable then whole body contact recreation use would be removed.

There will be two general approaches to the site-specific criteria - reference condition approach and trisection approach. The basic steps to this will be included in the methodology document. Social and economic impacts will be broken down into public and private entities, substantial vs. widespread, relative magnitude, use of EPA's interim guidance (on the web), public considerations and private considerations. Private entity impacts are still being discussed with EPA.

New permits will have eighteen months to develop a UAA and implement it. At the renewal of the permit, disinfection will be requested. The disinfection requirement is expected to be in permits starting in February or March 2003.

UAA's will be submitted to the WPCP Planning Section Chief. Two hard copies and one electronic version of the UAA will be requested. Turn around time is expected to be one year. UAAs will be public noticed and open for comments.

The Water Quality Standards revision rulemaking package should be submitted to the Clean Water Commission probably in August.

Questions and comments should be directed to Chris Zell. Chris will incorporate the EPA comments and send the UAA out to the WQCC list.

CPP Revision Update, Carol Garey, WPCP

The Continuing Planning Process (CPP) has been in the Clean Water Act since 1977. The EPA required nine elements were added to this third edition and was approved by the Clean Water Commission on November 28, 2000. EPA and the department would like to see future improvements. It should be a continuous document reflecting planning by the water quality staff. Revisions will be brought before the WQCC for comments. The document is to inform EPA, the public and environmental interests. The focus of the CPP in the future will be on watershed restoration, watershed development and planning, and TMDL development planning implementation. Copies are available from the department's Outreach and Assistance Office at (800) 361-4827. It is also available on the web. Bob Steiert said he has been telling other states to look at Missouri's CPP for a good example.

Categorizing Missouri's Classified Waters/Status of the 303(d) List, Becky Shannon, WPCP

DNR anticipates the 303(d) list will go out on public notice for public comments soon. The goal is to have the list go before the Clean Water Commission at the June 26 meeting. The list will look different because of the guidance on how the list is put together. This will be explained in the public notice. The list is due to EPA by October 2002.

Chip Mills, Becky Shannon, WPCP

The CWC issued a moratorium on chip mills in April 2000 and scheduled to expire April 20, 2002. The Commission voted to allow the moratorium to expire. The Commission directed the department to look at developing a program to include education, incentives and potentially regulation, addressing the issue of timber harvesting. We will work with the MDC and other agencies for opportunities to encourage protection of the environment for these activities.

Other

Jeannette Schafer, EPA, distributed copies of the "New Watershed Rule" showing the current status of the TMDL Rule. This rule is scheduled to be out for comment late summer or early fall. EPA is looking to energize the CPP process and make TMDLs more flexible.

Ken Midkiff announced that Angel Kruzen has been hired through a grant from the National Sierra Club to train teams to help people do water quality monitoring on selected streams, primarily urban streams, in Missouri. Another staff person has been sent to Texas to be trained on EPA's STORET system. Data collected can then be directly entered into the EPA database.

Agency Activities

Bob Steiert announced May 7-9, 2002, will be the EMAP Symposium at Doubletree Hotel, Kansas City. The symposium will give you an idea of how statistical sampling is done at EPA and what is being thought of for the big rivers. The MOU between MDC and DNR is doing a Missouri statistical probability sampling for the state. Bob also mentioned that this year is the 30th Anniversary of the Clean Water Act. October 13 is the Year of Clean Water National Water Monitoring Day. To register your site, order a low cost water testing kit or find out more information, visit www.yearofcleanwater.org. Data collected will be posted at this site. Photographs are also encouraged. Priscilla Stotts said Stream Teams are also participating ("Snapshot Days") but not on the October date because of it being hunting season.

Carol Garey hopes to bring revisions of the CPP to the WQCC in July.

Paul Andre brought up that the Pesticide Management Plan rule is still in limbo. EPA is still trying to decide if it should be a water rule rather than a groundwater rule. If they should pull the 4 pesticides out and make it based on assessment in each state or national assessment where several states come up with a problem with a certain chemical then a PMP would be required.

Cindy DiStefano announced that MDC will have a new director, John Hoskins, in July. He has been with the department 28 years.

Dan Downing announced that a Water Quality Short Course is happening now, April 16-18, 2002.

Chris Zell said he will be working intensively on the UAA the next couple of weeks and will send everyone on the WQCC list a copy when completed.

Dick Gaffney announced that several reports are coming close to publication – Annual Report, Drought Report, Central Missouri Regional Report. Should be completed this fiscal year.

Jeannette Schafer announced that Gale Hutton, Director of Water Division, has switched to Environmental Services Division. Leo Alderman is now the Director of the Water Division. He was previously the Environmental Services Division Director. There will also be a new deputy division director.

Priscilla Stotts brought the schedule for the Stream Team Volunteer Water Quality Monitoring Introductory workshops for those that may be interested or have constituents that may be interested. Some of the topics include watershed mapping, visual survey of stream, macro sampling, how to pick a good site, and a little bit about the law.

Anne Peery informed the group of DNR's new URL address for WPCP.

www.dnr.state.mo.us/wpscd/wpcp/index.html

The new Public Participation Plan for TMDLs will be given out at the TMDL Policy Advisory Committee meeting. Anne also had available a publication from America's Clean Water Foundation called "The Ripple Effect." This is an activist's handbook to TMDL watershed cleanup plans. This is also on the web at www.cwn.org.

Gail Wilson mentioned that WPCP has been conducting meetings with local SWCD Boards to explain TMDLs that are going to be written in their county. Meetings have been held with Boone, St. Francis and Henry counties.

Angel Kruzen said she has been working in Kansas City.

Emitt Witt mentioned that the Annual USGS Water Resources Data Report has been sent to the printer and should be available soon.

Jeanne Heuser said they are working on the TMDL situation on the Missouri River. USGS was encouraged by EPA and DNR to understand what data is available in the states in the basin and why each state is designating the river differently. They will be putting all the data in a database and make it available. At the next year's Missouri River's Natural Resources Conference, they hope to have more topics on water quality and a report on this river research. Next year's conference will be held in Kansas.

Steve Burdic said that their Stream Team does water quality monitoring and macroinvertebrate sampling on the Missouri River. They are still developing the protocol. They are also involved with the Lewis and Clark Celebration. They want to tie in water quality information/education with the celebration. They will meet on

April 19 at the Runge Center to organize events.

Verel Benson mentioned that a demonstration was done on different kinds of poultry litter on a farm north of Lamar. They plan to figure out what kind of poultry litter works on what area by doing soil tests.

Becky Shannon asked the group to pick up a copy of DNR's Missouri Resources magazine. There is an article written by John Madras on Impaired Waters. Becky also mentioned plans are underway for a Governor's Conference on Clean Water in St. Louis, August 26-27. More information should be available at the next meeting.

Anne Peery mentioned that there are approximately 100 TMDL Information Sheets available on DNR's web site. Let Anne know if you have questions.